VOLUME 176 – JUNE 1991

CONTENTS

EDITORIAL ANNOUNCEMENT *page*

CARRILLO-FARGA, JOAQUÍN, TORRES, ARMANDO PÉREZ, RODRÍGUEZ, ANDRES CASTELL and BIZARRO, SILVIA ANTUNA. Adenosine triphosphatase-positive Langerhans-like cells in the epidermis of the chicken *(Gallus gallus)* 1

SANTAMARÍA, J. A. and BECERRA, J. Tail fin regeneration in teleosts: cell–extracellular matrix interaction in blastemal differentiation 9

KON, YASUHIRO, HASHIMOTO, YOSHIHARU, KITAGAWA, HIROSHI, SUGIMURA, MAKOTO and MURAKAMI, KAZUO. Intracellular production of adrenal renin in the fetal mouse. An immuno-electron microscopical study 23

MCDONALD, S. W., SAFFAR, RAITH AL and SCOTHORNE, R. J. The response of the regional lymph node to epididymal sperm granulomas after vasectomy 35

OVERBEEKE, J. J. VAN, HILLEN, B. and TULLEKEN, C. A. F. A comparative study of the circle of Willis in fetal and adult life. The configuration of the posterior bifurcation of the posterior communicating artery 45

LITTLE, GERALD J. Thyroid morphology and function and its role in thermoregulation in the newborn southern elephant seal (*Mirounga leonina*) at Macquarie Island 55

MAXWELL, W. L., WATT, C., PEDIANI, J. D., GRAHAM, D. I., ADAMS, J. H. and GENNARELLI, T. A. Localisation of calcium ions and calcium-ATPase activity within myelinated nerve fibres of the adult guinea-pig optic nerve 71

JOHNSON, D. R., O'HIGGINS, P. and MCANDREW, T. J. The effects of disorders of cartilage formation and bone resorption on bone shape: a study with chondrodystrophic and osteopetrotic mouse mutants 81

WARREN, M. A. Adaptations of the rat small intestine to a single and a double period of undernutrition 89

CHARLTON, B. G., NKOMAZANA, O. F., MCGADEY, J. M. and NEAL, D. E. A preliminary study of acetylcholinesterase-positive innervation in the human adrenal cortex 99

DAIMON, T. Autoradiographic analysis of vasoactive neuropeptide uptake by rabbit megakaryocytes and platelets 105

PESINI, P. RUIZ, CIFUENTES, J. M. and FERNANDEZ-TROCONIZ, P. The nucleus of the tractus solitarius of the dog. A morphological and morphometric analysis 113

CUTTS, ALISON, ALEXANDER, R. MCN. and KER, R. F. Ratios of cross-sectional areas of muscles and their tendons in a healthy human forearm 133

ENGSTROM, C. M., LOEB, G. E., REID, J. G., FORREST, W. J. and AVRUCH, L. Morphometry of the human thigh muscles. A comparison between anatomical sections and computer tomographic and magnetic resonance images 139

GUO, Z., NARBAITZ, R. and FRYER, J. N. Effects of excess iodine in chick embryo thyroid follicles: initial inhibition and subsequent hypertrophy 157

JOHNSTON, C. D. and OWENS, P. D. A. Reinnervation of developing rat molars 169

NANCHAHAL, J. and RICHES, D. J. Ultrastructural localisation of anionic sites at the dermo-epidermal junction in normal human skin 181

DHAMI, D. and MITCHELL, B. S. Specific patterns of immunoreactivity in neuronal elements of the anterior major pelvic ganglion of the male guinea-pig 197

IN MEMORIAM: A. D'A. BELLAIRS 211

BOOK REVIEWS 215

BOOKS RECEIVED 223

PROCEEDINGS OF THE ANATOMICAL SOCIETY OF GREAT BRITAIN AND IRELAND, DECEMBER 1990 225